

CLAIMS**1.**

An emergency stop system for a group of machine units (1), driven by energy from a source (2) such as an electrical net, medium under pressure etc. whereas each of the machine units is provided with a cut off means (3) for the energy feed, acted upon via a receiver (5) by a transmitted signal, with a radio frequency, from a transmitter in a group of mobile units (7), provided with such, carried by one or several operators

characterised in that

every machine unit (1) is provided with a communication unit (4) comprising a transmitter/receiver (5) for radio- resp. IR-frequency in contact with a computer unit (6) and each mobile unit (7) is provided with a transmitter/receiver for a radio- resp. IR -frequency for identifying and authorizing communication, whereas the cut off means (3) is provided not to be activated or inactivated without foregoing identifying and authorizing IR-communication.

2.

An emergency stop system according to claim 1,

characterised in that

the communication unit (4) is provided to continually warrant the radio communication with the identifying and authorizing mobile unit, whereas it is provided to emit alarm (12), preferably optically or acoustically when the communication is interrupted.

3.

An emergency stop system according to claim 1 or 2,

characterised in that

the mobile unit (7) is provided with a display, arranged to show the status for the communication with the communication unit (4).

4. (amended)

An emergency stop system for a machine unit (1), driven by energy from a source (2) such as an electric net, medium under pressure etc, whereas the machine unit is provided with a cut off means (3) for the energy feed, acted upon via a receiver (5) by a transmittal signal, with a radio frequency, from a transmitter in a group of mobile units (7), provided with such, carried by one or several operators,

characterised in that

the machine unit (1) is provided with a communication unit (4) comprising a transmitter/receiver (5) for radio- resp. IR-frequency in contact with a computer unit (6) and each mobile unit (7) is provided with a transmitter/receiver for radio- resp. IR-frequency for identifying and authorizing communication, whereas the cut off means (3) is provided not to be activated or inactivated without foregoing identifying and authorising radio- or IR-communication.

5.(new claim)

An emergency stop system according to claim 4,

characterised in that

the communication unit (4) is provided to continually warrant the radio communication with the identifying and authorising mobile unit, whereas it is provided to emit alarm (12), preferably optically or acoustically when the communication is interrupted.

6.(new claim)

An emergency stop system according to claim 5,

characterised in that

the mobile unit (7) is provided with a display, arranged to show the status for the communication